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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/800,475

03/15/2004

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G&C 30566.322-US-01

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09/03/2008

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EXAMINER

KUMAR, ANIL N

ART UNIT

PAPER NUMBER

2174

MAIL DATE

DELIVERY MODE

09/03/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/800,475	<b>Applicant(s)</b> GARCIA ET AL.	
	<b>Examiner</b> ANIL N. KUMAR	<b>Art Unit</b> 2174	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 June 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3-7,9-13 and 15-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-7,9-13 and 15-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

### DETAILED ACTION

1. This action is in response to the RCE filed on June 12th, 2008. Claims (1, 3-7, 9-13 and 15-18) are pending and have been considered below.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1, 3-7, 9-13 and 15-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bonney et al. ("Bonney", US 6,466,953 B1) in view of Shema et al. ("Shema", US 2002/0194190 A1).

Claim 1: Bonney teach, A method for operating a graphics program in a computer (Fig. 8), comprising:

- performing one or more functions of a Sheet Set Manager in the graphics program (while described in terms of "sheets," the present invention is not limited to use with CAD sheets, and can be used with other types of objects, column 3/4 lines 65-7 and Fig. 2),

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- (a) wherein the Sheet Set Manager manages one or more Sheet Sets (organizational and management of hierarchical relationships sheets, column 1 lines 10-14), each of the Sheet Sets comprises a collection of zero or more Sheets and Subsets of the Sheets, each of the Sheets comprises a drawing, layout or view (generates objects of the drawing sheets, column 3/4 lines 65-7 and Fig.2),
- (b) wherein the Sheet Set Manager includes a window that presents a logical structure for Sheet Sets in a visual form comprising a hierarchical representation of the Sheet Sets (FIG. 2 is one embodiment of a computer system executing a CAD application program that generates objects of the drawing sheets of a design with a hierarchical relationship, columns 3/4 lines 65-7),

but does not explicitly teach,

- (c) and wherein the Sheet Set Manager allows users to place callouts on the Sheets directly from the window of the Sheet set Manager showing the logical structure for the Sheet Sets in visual form, and the callouts indicate which other Sheets or Views to display for additional information.

However, Shema teach, a method, computer program product, and system for creating and viewing an intelligent graphics file including parts information, and further teach creating callout reference (to create a hotspot for the callout reference designation "A" in FIG. 2, the object generator 26 may identify a region over the callout reference designation "A", paragraph [0035] ) and further teach,

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a displaying logical structure for the Sheets Sets and additional information in the callouts (See Callout 60 in fig. 3). Therefore, it would have been obvious to an artisan at the time of the invention to combine Shema's teaching with in Bonney, to place callout features directly from a window and show a visual file structure, in Bonney, in order to help the user to create callout features easily, and to visualize the impact of placing the callouts of the document, more effectively.

Claim 3: Bonney teach, wherein the Sheet Set Manager automatically creates fields that display appropriate labels when the callouts are placed on the Sheets (links descriptive fields in one or more icons, column 3 lines 2-15 Fig. 4).

Claim 4: Bonney teach, wherein the Sheet Set Manager allows users to place callouts on the Sheets before a referenced Sheet or View has been defined. Official Notice is taken that the use of placing callouts/icons is well known in the art, especially in linking/referencing an object. It would have been obvious to an artisan at the time of the invention to allow the user to place a callout/icon with or without a placeholder, as it is the most convenient and efficient way for the user to use a CAD tool (See Shema).

Claim 5: Bonney teach, wherein the Sheet Set Manager automatically updates the callouts (update icons automatically, column 3 lines 2-15 Fig. 4).

Claim 6: Bonney teach, wherein the Sheet Set Manager allows users to create collections of callouts. Official Notice is taken that the creation of a group or a collection of callouts/icons is well known in the art, especially in linking/referencing a set of objects. It would have been obvious to an artisan at the time of the invention to allow the user to create a group or collection of callouts/icons that can be repeated reused, as it is the most convenient and efficient way for the user to use a CAD tool (See Shema)..

Claim 7 is similar in scope to claim 1, and therefore rejected under similar rationale. Bonney further teach, apparatus used in CAD environment (Fig. 1).

Claim 9 is similar in scope to claim 3, and therefore rejected under similar rationale.

Claim 10 is similar in scope to claim 4, and therefore rejected under similar rationale.

Claim 11 is similar in scope to claim 5, and therefore rejected under similar rationale.

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Claim 12 is similar in scope to claim 6, and therefore rejected under similar rationale.

Claim 13 is similar in scope to claim 1, and therefore rejected under similar rationale. Bonney further teach, program instructions are to be provided from a storage device such as CD-ROM (column 3 line 52-62).

Claim 15 is similar in scope to claim 3, and therefore rejected under similar rationale.

Claim 16 is similar in scope to claim 4, and therefore rejected under similar rationale.

Claim 17 is similar in scope to claim 5, and therefore rejected under similar rationale.

Claim 18 is similar in scope to claim 6, and therefore rejected under similar rationale.

### ***Response to Arguments***

3. Applicant's arguments filed on January 4th, 2008 have been fully considered but they were found not persuasive.

A. Applicant argues, "However, nothing in the above portions of Shema or Bonney refer to users placing callouts on Sheets directly from a window of a Sheet Set Manager showing a logical structure for the Sheet Sets in visual form comprising a hierarchical representation of the Sheet Sets". The Examiner respectfully disagrees and maintains the rejection, and points out; this is moot in view of new citation. Furthermore, applicant is advised the rejection is based on the "entire" prior art, and just the "cited" part of the art.

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anil N. Kumar whose telephone number is (571) 270-1693. The examiner can normally be reached on Wednesdays and alternate Mon-Tue and Thu-Fri EST (Alternate Mon-Tue and Thu-Fri off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ANK

/Stephen S. Hong/

Supervisory Patent Examiner, Art

Unit 2178

8/21/2008